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## Abstract

The invention relates to a device for compensating for fluctuations in the light which is emitted by a light source and propogates along a light path. The device has a first light-sensitive sensor. The sensor detects the intensity of the light at a first location along the light path in a spatially resolved manner and generates electrical image signals. Furthermore, a second light-sensitive sensor is provided, which detects the intensity of the light at a second location along the light path and generates electrical output signals.